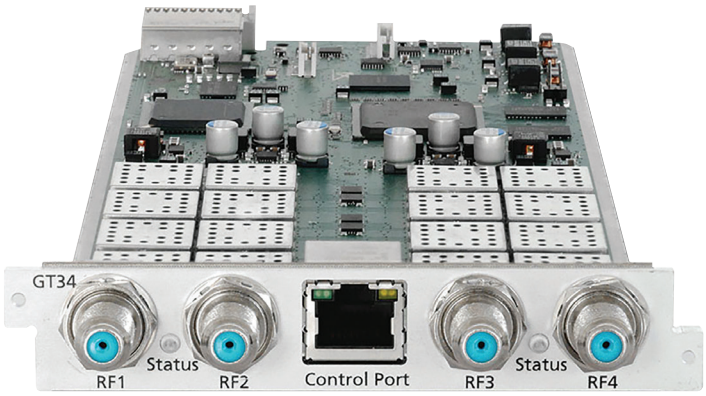
WISI Tangram Satellite Tuner Card, Up to 16x DVB-S, S2 or S2X Tuners

14MM-GT34

The GT34 module is part of the Tangram product portfolio. The GT34 module allows you to add up to 16 DVB-S, S2, S2X satellite transponders and convert the streams to IP multicast or unicast transport streams. Tangram is a very high density and highly flexible solution for all kinds of networks. The WISI Tangram chassis uses a fully redundant concept (n+1, 1+1).



Features and Benefits

- DVB-S/S2/S2X – IP gateway for IPTV, CATV and multiscreen solutions
- 8 X DVB-S/S2/S2X tuners, increasing to 16 x Tuners with the addition of GTOS2 license (sold separately)
- Fully redundant concept (1+1, n+1)
- Professional DVB transport stream processing
- High-density reception of 96 transponders in 1 RU
- Easily managed by an intuitive WEB based UI

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RF-Inputs DVB-S/S2/S2X	
Number of Tuner	16 pcs. (8 tuner reception enabled by hardware, additional 8 tuner will be enabled by GTOS2 software option)
Modulation Type	DVB-S/S2/S2X
Frequency Range	950...2150 MHz
Level Range	62...100 dBµV, -46...-8 dBm
Symbol Rate	1...45 Mbaud (<100 Mbit)
FEC Inner DVB-S	1/2, 2/3, 3/4, 5/6, 7/8
FEC Inner DVB-S2	LDPC 1/4, 1/3, 2/5, 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
Return Loss	>10 dB
DiSEqC	DiSEqC 1.0
LNB Electrical Power Supply	DiSEqC 1.0
Streaming-In-/Output	
IP-Inputs	0 pcs
IP-Outputs	64 o. 128 pcs. (128 with GTSTRX software option)
IP-Compliance	ISO/IEC 13818
IP-Output Bitrate	Max. 425 Mbit/s per IPTS, Max. 850 Mbit/s total
IP-Output Protocol	UDP/RTP/RTP+FEC Unicast and Multicast, IGMP v2 and v3
IP-TS-Output Format	SPTS CBR/VBR, MPTS CBR
IP-FEC Outputs	32 pcs. (with GTFEC Software option)
IP-Packet Format	MPEG over UDP/IP and RTP/IP
IP-Packet Size	188 Byte
IP-PCR Restamping	Yes
Processing	
Service Remultiplexing	Yes, with GTMUX Software option
PID Filtering and Remapping	Yes
PCR Correction and De-jitter	Yes
Advanced PSI/SI Regeneration	Yes
NIT Generation	No
Decryption	No
Compliance	ETSI EN 300 468
Processing Bitrate	Max. 1200 Mbps total
Number of PIDs	Max. 2000 PIDs total
Connectors	
RJ45	1 pcs
F Connector RF Input	4 pcs
General Data	
Power Consumption Max	Max. ≤25 W
Operating Temperature Range	-5°C...+45°C, 23°F...113°F, (ETSI EN 300 019-1-3 Class 3.1)
Max. Humidity, Non Condensing	95%
Electro Magnetic Compatibility (EMC)	EN 50083-2, FCC CFR 47 Part 15 (Class A)
Safety Compliance	CE, UL/CSA/CAN 62368-1
Signalling	Multicolor LEDs (Power on -green, Error - red)
Hardware Revision	1001
Software Version	3.3
Tuner	76
Weight	0.44kg
Dimensions (WxHxD)	100 x 20 x 220 mm